

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017212.D
 Acq On : 07 Jul 2020 18:31
 Operator : JC/SP
 Sample : L3195-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01-20200630

Quant Time: Jul 08 01:54:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	253613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	423776	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	443763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	168808	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
35) Dibromofluoromethane	5.46	113	144341	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
50) Toluene-d8	8.70	98	519317	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	11.12	95	211541	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	

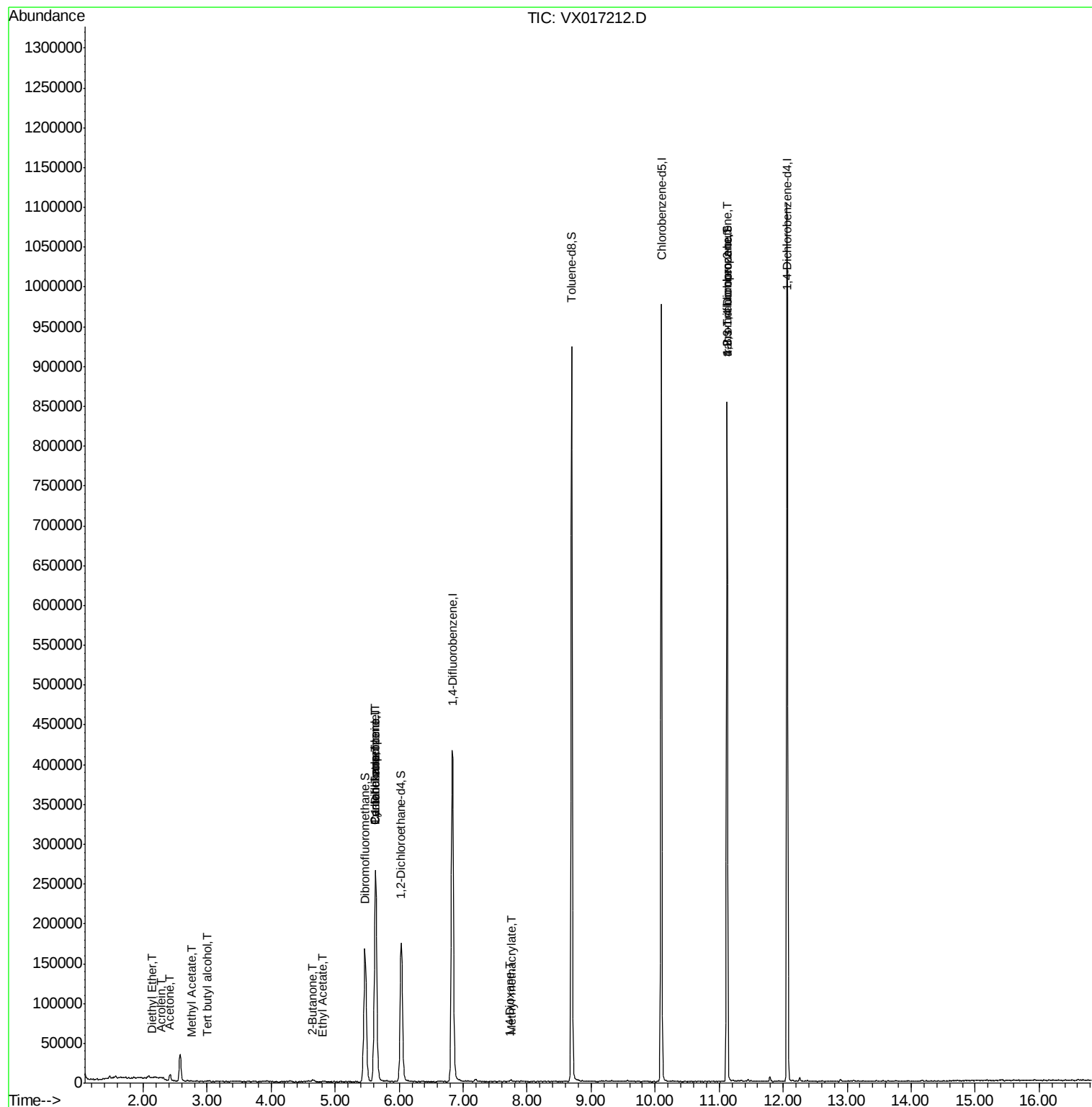
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.15	74	47	0.399	ug/l #	1
11) Tert butyl alcohol	3.01	59	947	1.588	ug/l #	93
13) Acrolein	2.28	56	196	0.550	ug/l #	1
16) Acetone	2.42	43	9414	8.049	ug/l	96
18) Methyl Acetate	2.76	43	629	0.206	ug/l #	58
20) Methylene Chloride	2.84	84	273	Below Cal	#	31
25) 2-Butanone	4.65	43	2854	1.464	ug/l	93
31) Cyclohexane	5.63	56	5127	1.215	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18196	4.543	ug/l #	50
37) Ethyl Acetate	4.80	43	1181	0.291	ug/l #	75
38) Carbon Tetrachloride	5.63	117	25069	5.683	ug/l #	17
48) Methyl methacrylate	7.76	41	1396	0.435	ug/l #	88
49) 1,4-Dioxane	7.73	88	21	0.289	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	104423	22.972	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104423	59.488	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	277	Below Cal	#	1

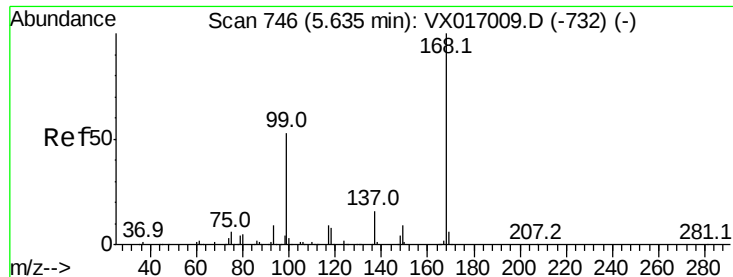
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 08 01:54:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

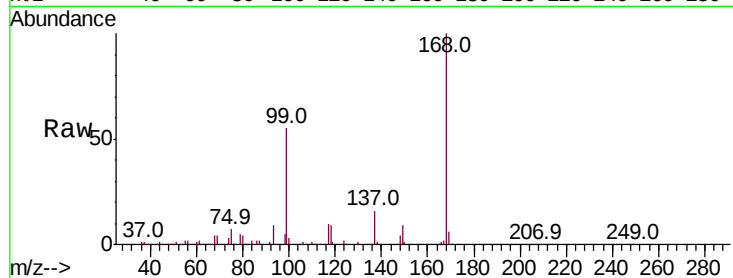
FB-01-20200630

Tot Ion:168 Resp: 253613

Ion Ratio Lower Upper

168 100

99 54.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

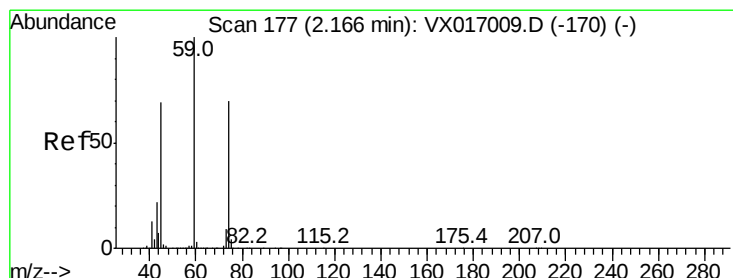
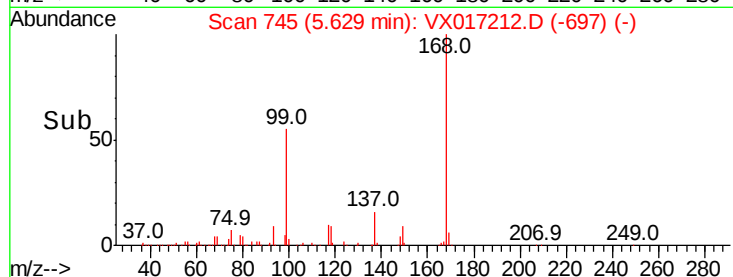
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.399 ug/l

RT: 2.15 min Scan# 174

Delta R.T. -0.02 min

Lab File: VX017212.D

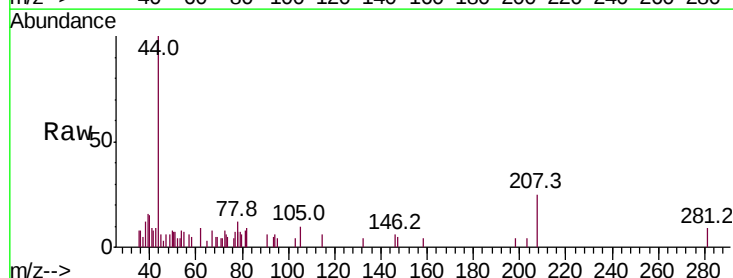
Acq: 07 Jul 2020 18:31

Tgt Ion: 74 Resp: 47

Ion Ratio Lower Upper

74 100

45 229.8 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

400

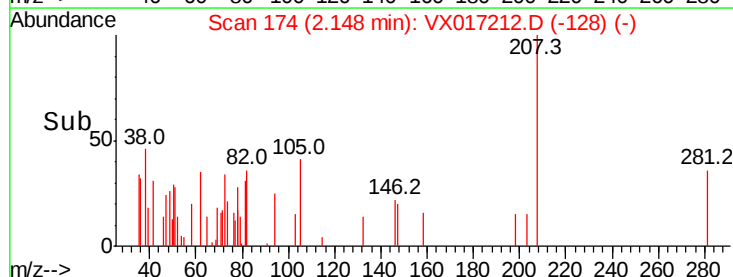
300

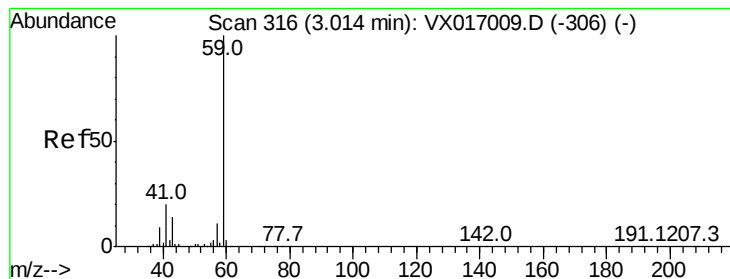
200

100

0

Time-->



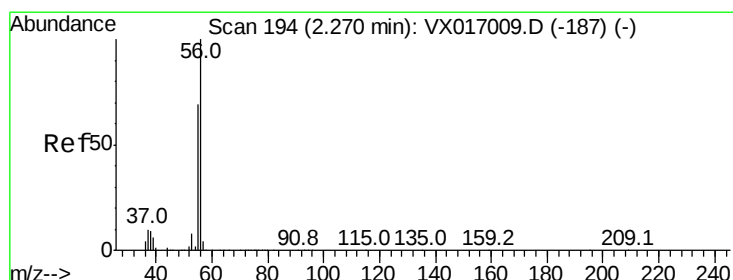
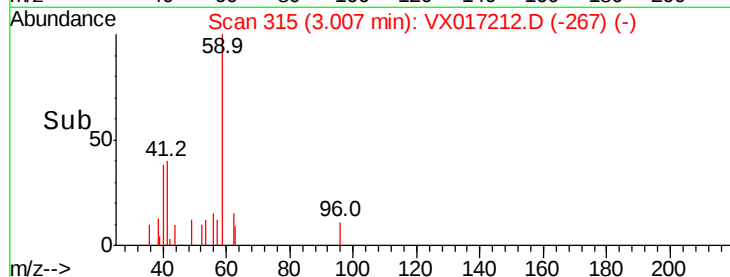
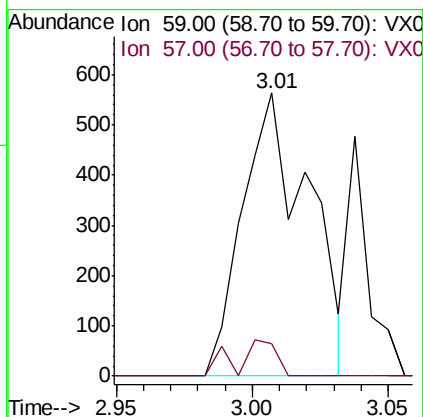
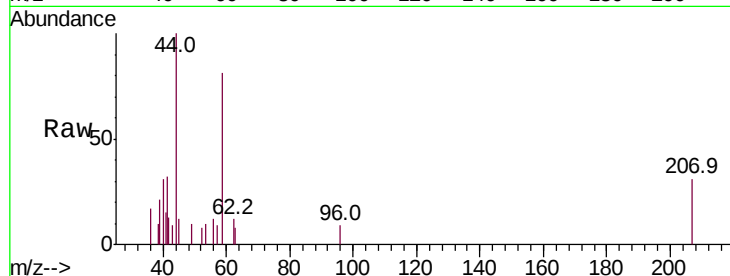


#11

Tert butyl alcohol
Concen: 1.588 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017212.D
Acq: 07 Jul 2020 18:31

Instrument :
MSVOA_X
ClientSampleId :
FB-01-20200630

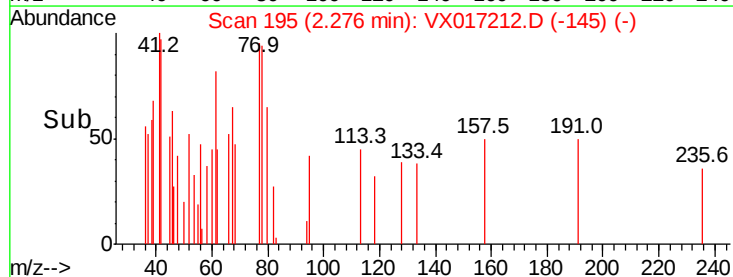
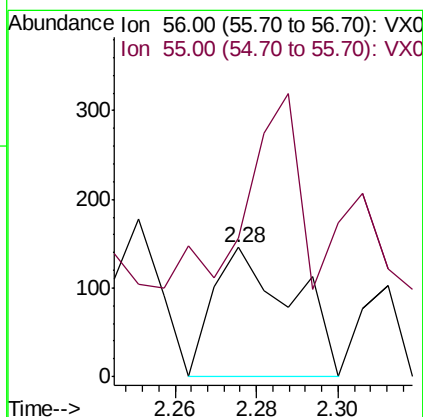
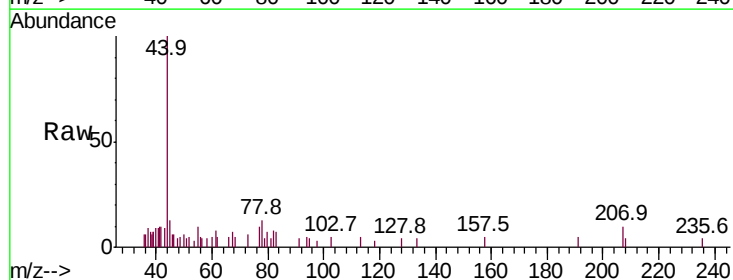
Tot Ion: 59 Resp: 947
Ion Ratio Lower Upper
59 100
57 7.6 8.2 12.2#

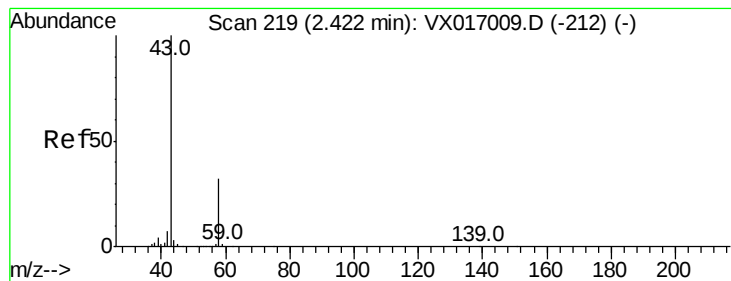


#13

Acrolein
Concen: 0.550 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017212.D
Acq: 07 Jul 2020 18:31

Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 239.3 55.7 83.5#





#16

Acetone

Concen: 8.049 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

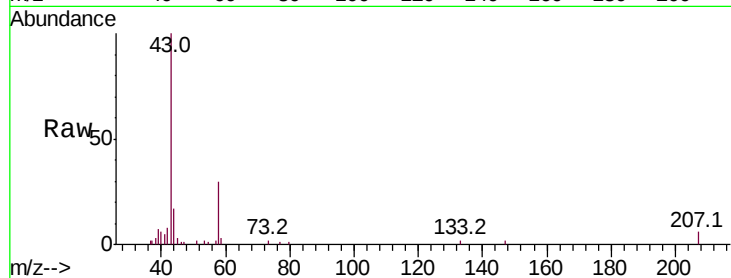
FB-01-20200630

Tot Ion: 43 Resp: 9414

Ion Ratio Lower Upper

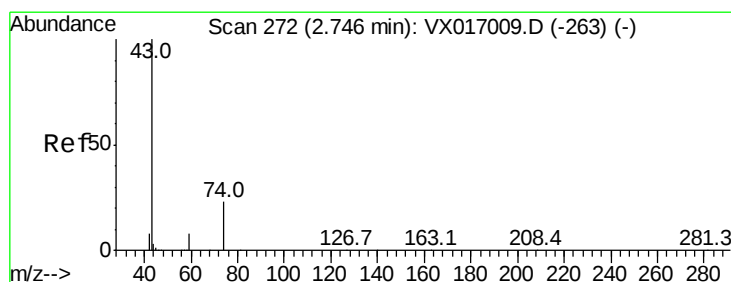
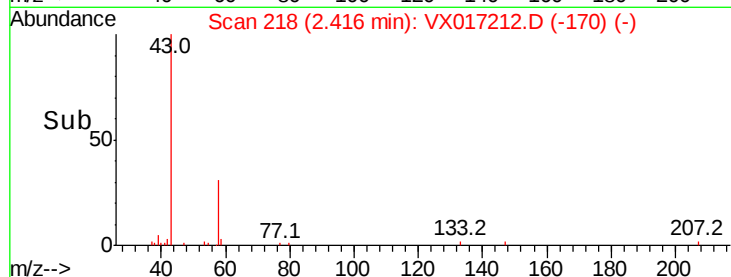
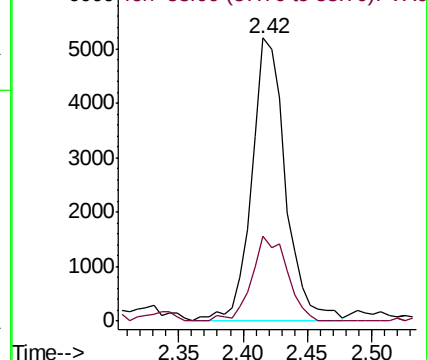
43 100

58 29.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.206 ug/l

RT: 2.76 min Scan# 275

Delta R.T. 0.02 min

Lab File: VX017212.D

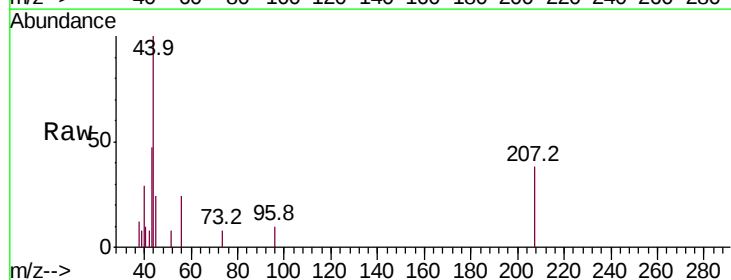
Acq: 07 Jul 2020 18:31

Tgt Ion: 43 Resp: 629

Ion Ratio Lower Upper

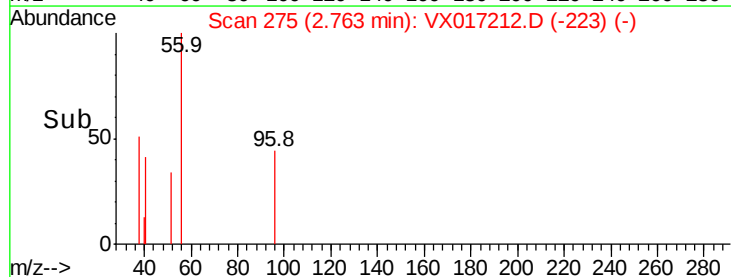
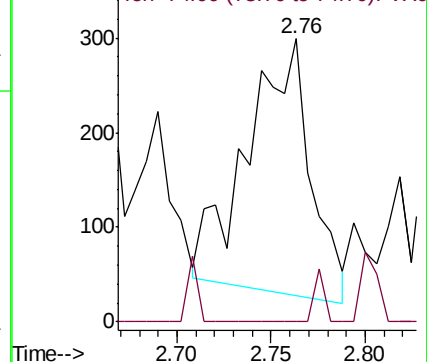
43 100

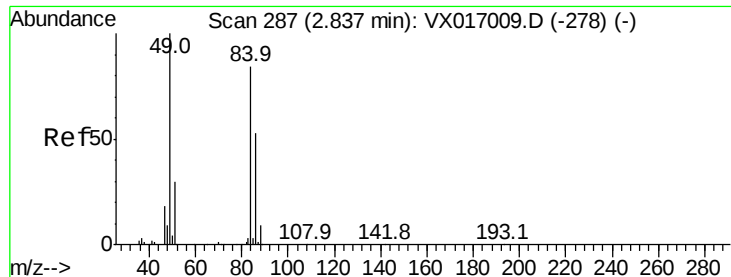
74 3.2 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

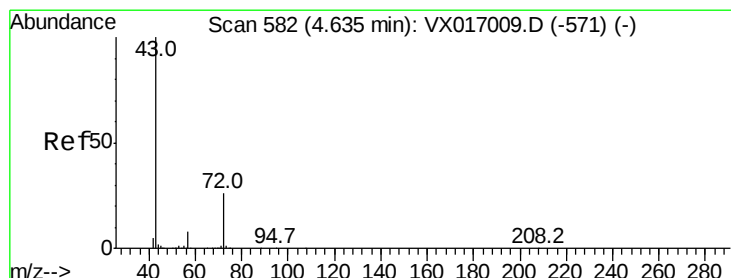
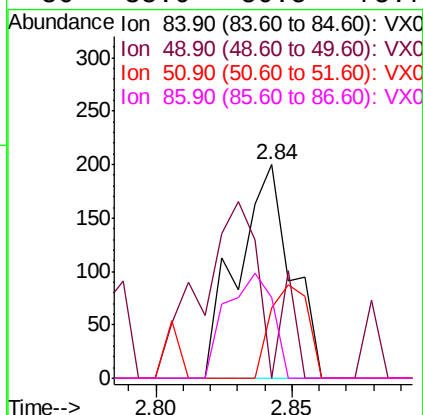
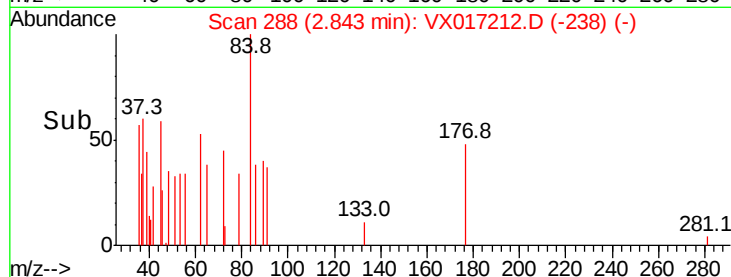
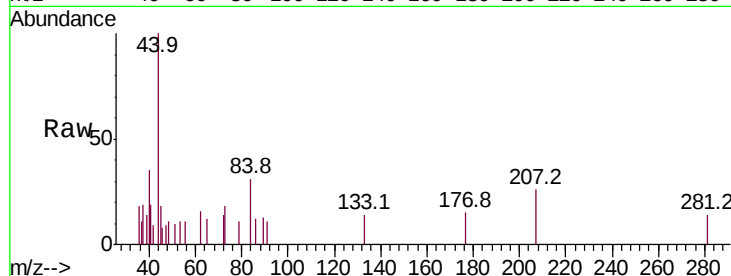




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017212.D
Acq: 07 Jul 2020 18:31

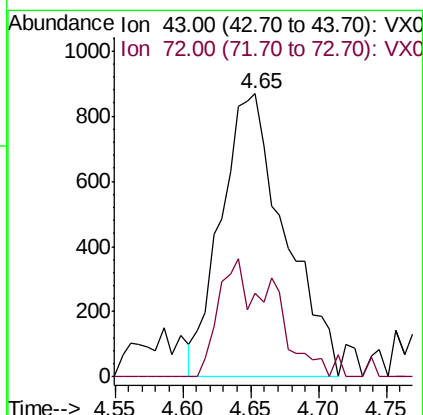
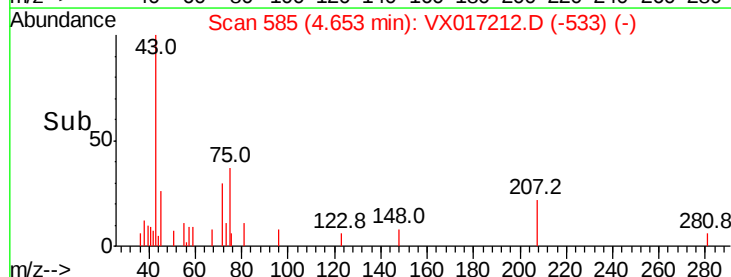
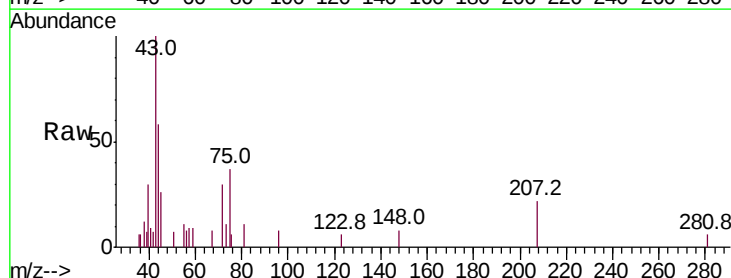
Instrument :
MSVOA_X
ClientSampleId :
FB-01-20200630

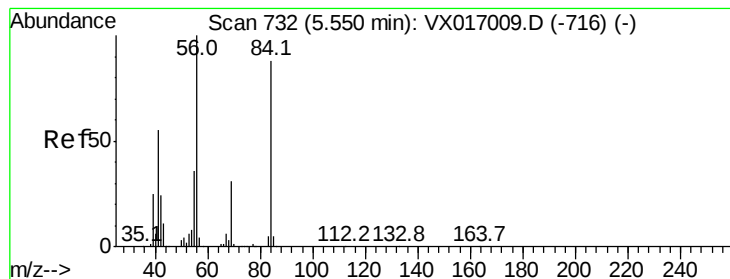
Tot Ion: 84 Resp: 273
Ion Ratio Lower Upper
84 100
49 0.0 94.7 142.1#
51 33.0 28.6 42.8
86 38.0 50.5 75.7#



#25
2-Butanone
Concen: 1.464 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017212.D
Acq: 07 Jul 2020 18:31

Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
72 29.6 20.8 31.2





#31

Cvclohexane

Concen: 1.215 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200630

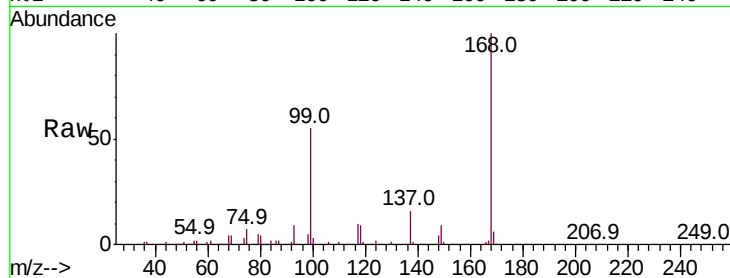
Tot Ion: 56 Resp: 5127

Ion Ratio Lower Upper

56 100

69 199.1 25.0 37.4#

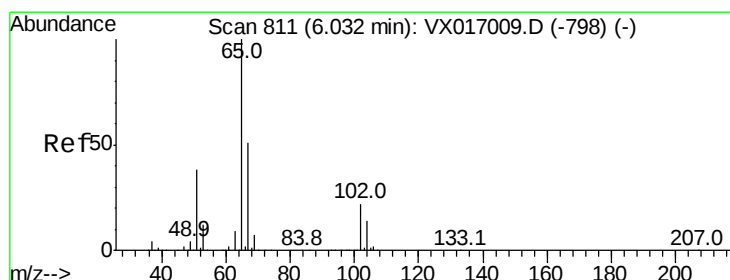
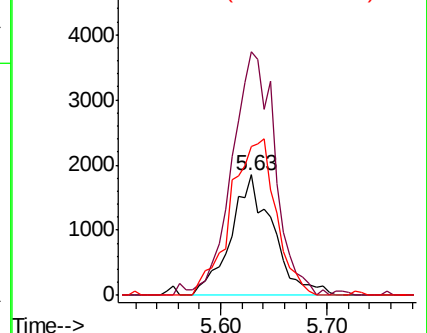
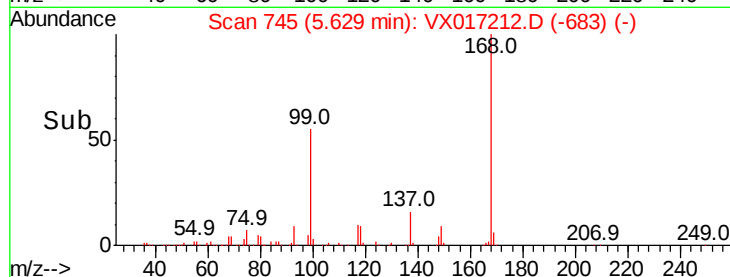
84 123.6 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.992 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017212.D

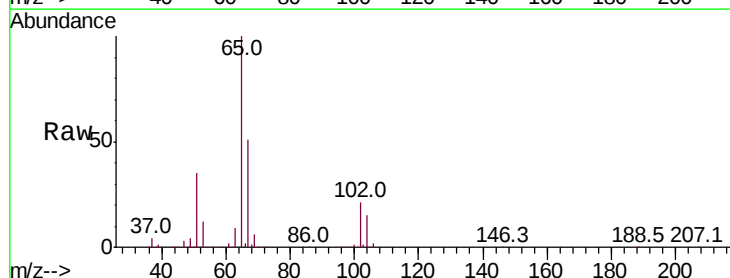
Acq: 07 Jul 2020 18:31

Tgt Ion: 65 Resp: 168808

Ion Ratio Lower Upper

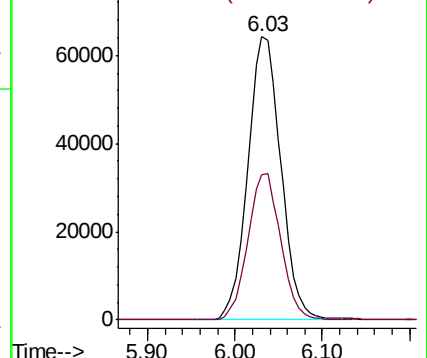
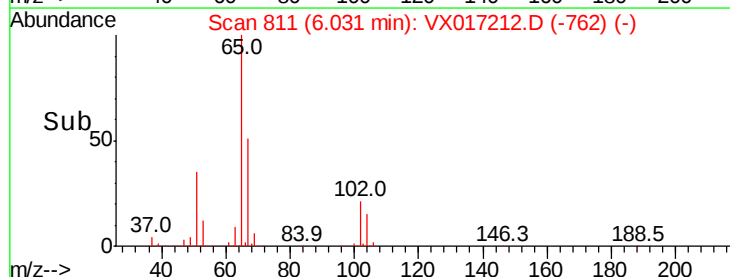
65 100

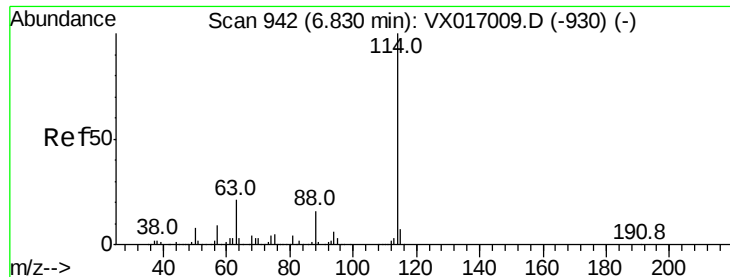
67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

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FB-01-20200630

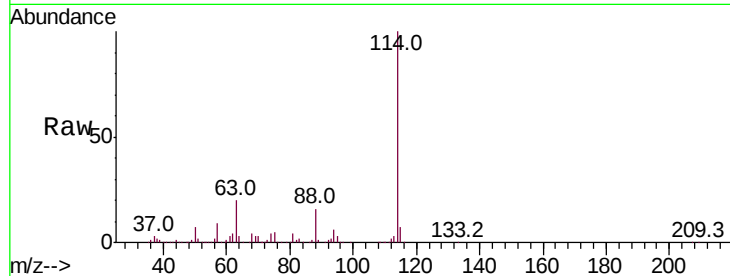
Tot Ion:114 Resp: 423776

Ion Ratio Lower Upper

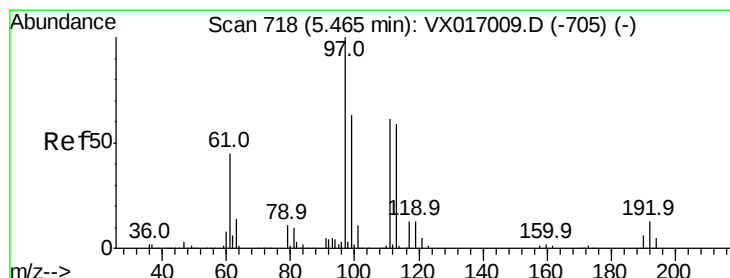
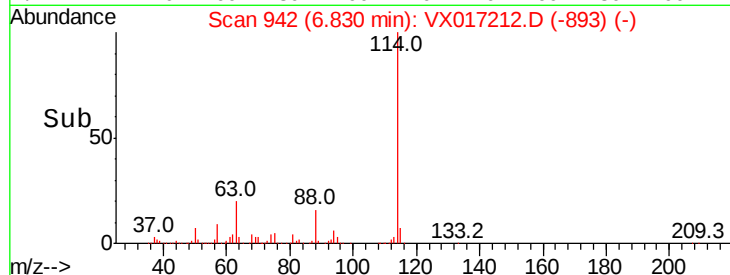
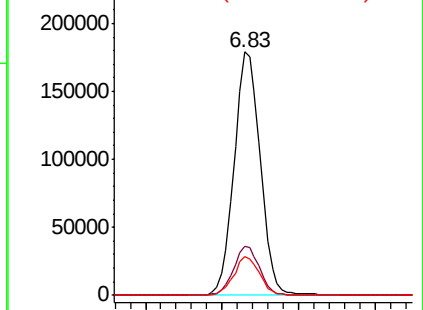
114 100

63 20.0 0.0 41.4

88 15.9 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.845 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

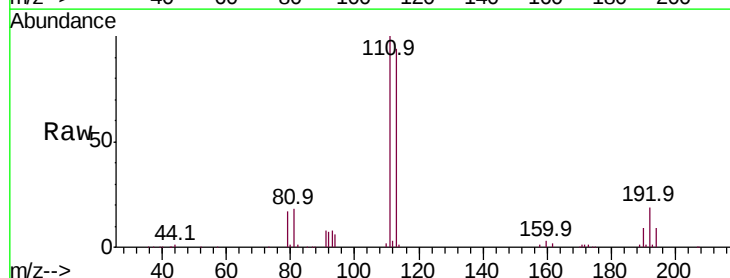
Tgt Ion:113 Resp: 144341

Ion Ratio Lower Upper

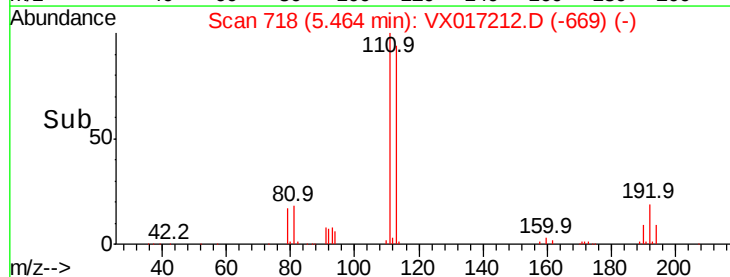
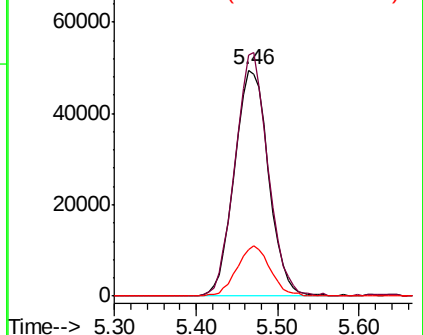
113 100

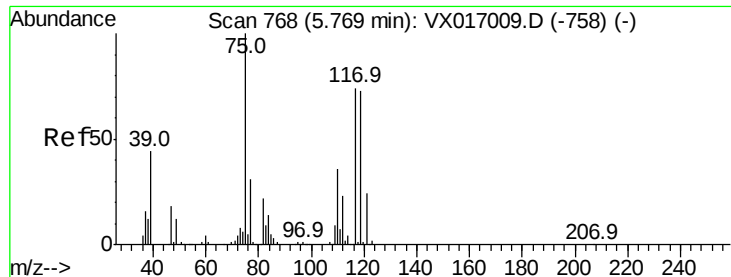
111 103.0 81.9 122.9

192 21.6 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.543 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200630

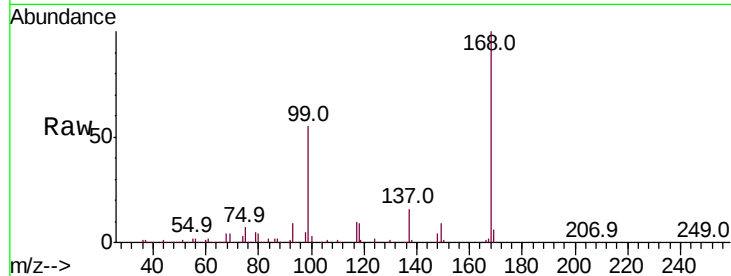
Tot Ion: 75 Resp: 18196

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

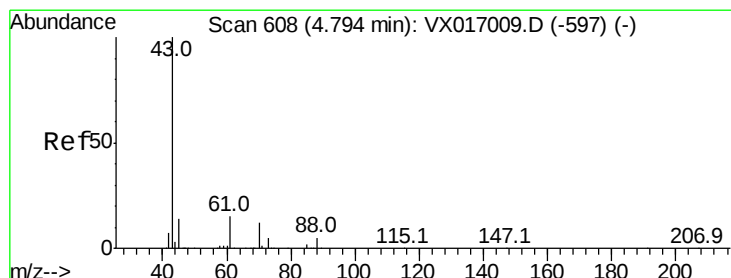
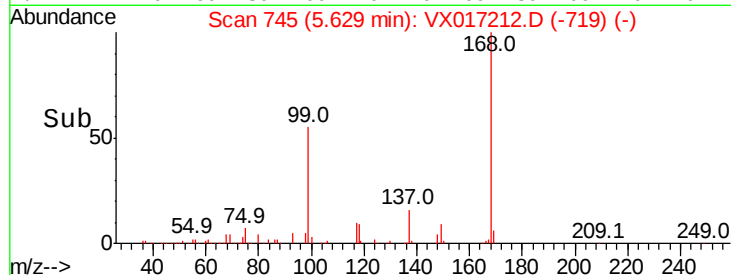
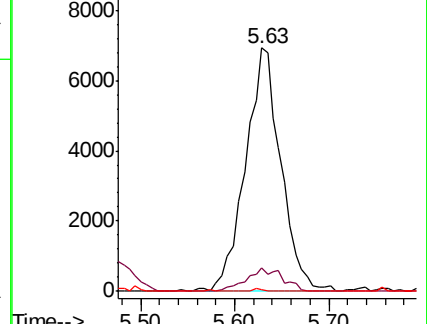
77 0.3 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.291 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

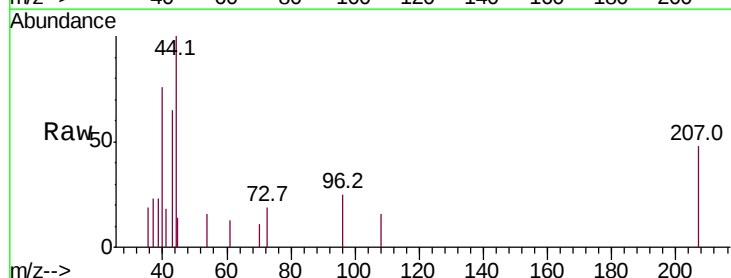
Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

43 100

61 1.8 11.0 16.4#

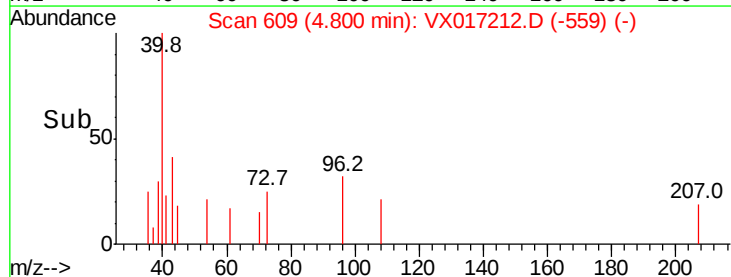
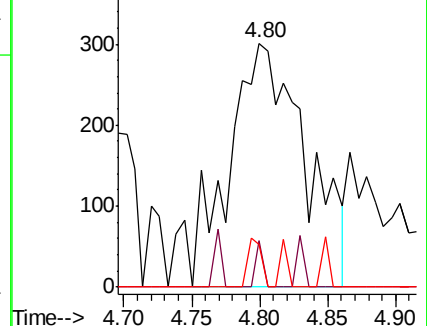
70 3.5 8.9 13.3#

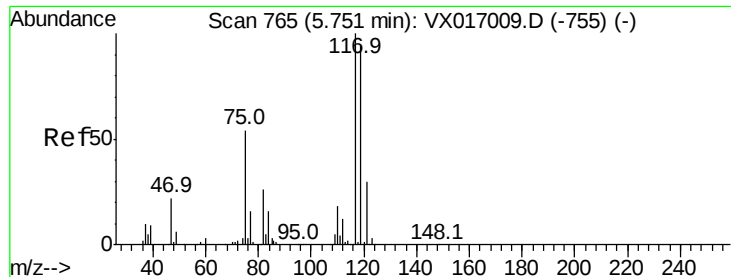


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.683 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200630

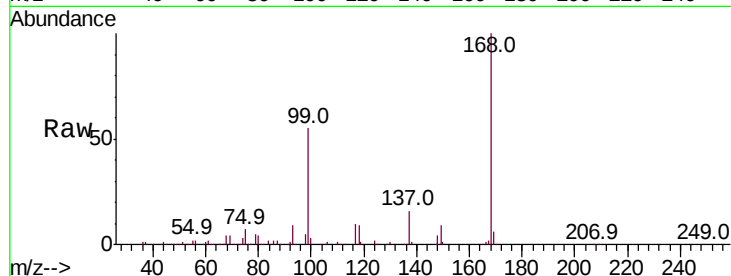
Tot Ion:117 Resp: 25069

Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.0#

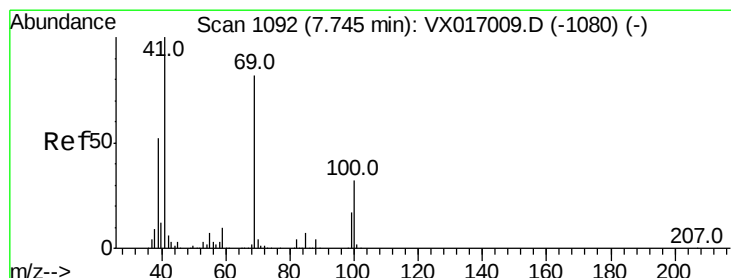
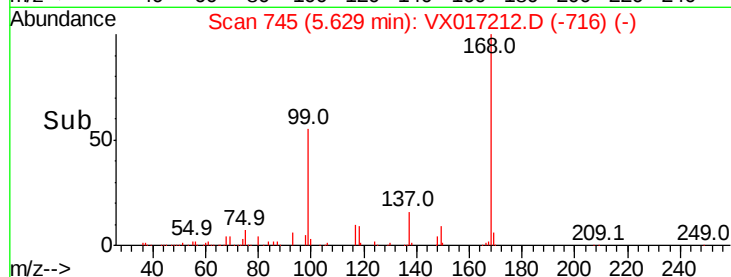
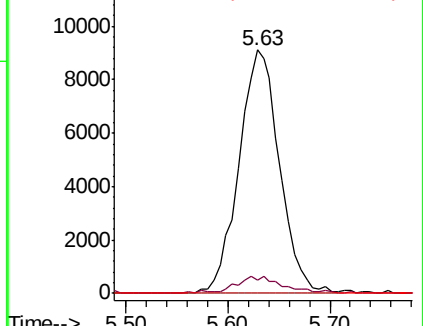
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#48

Methyl methacrylate

Concen: 0.435 ug/l

RT: 7.76 min Scan# 1095

Delta R.T. 0.02 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

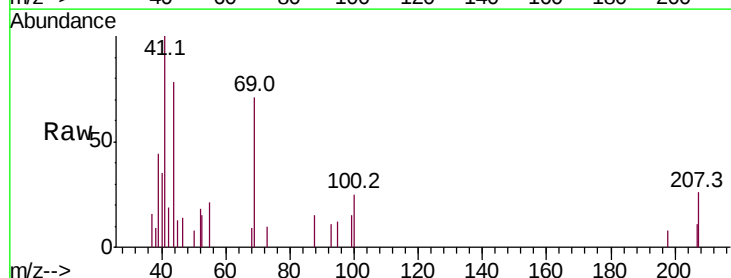
Tgt Ion: 41 Resp: 1396

Ion Ratio Lower Upper

41 100

69 78.9 65.8 98.8

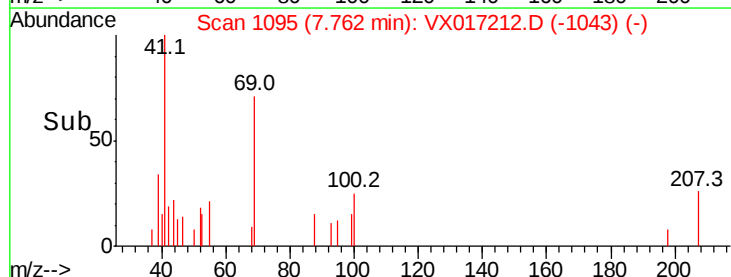
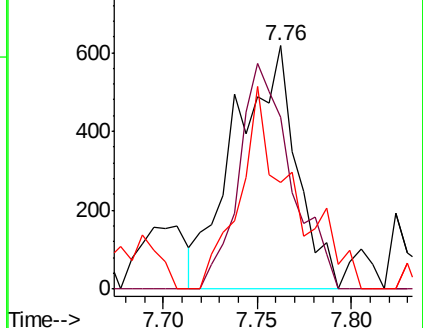
39 70.8 42.5 63.7#

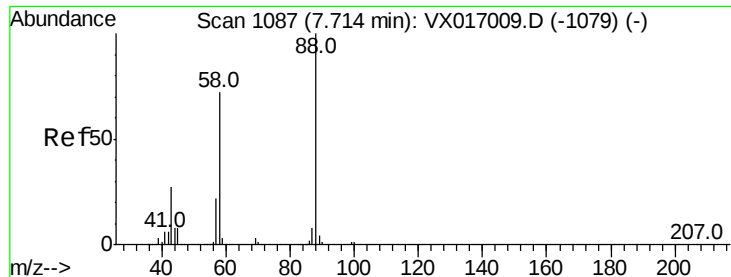


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

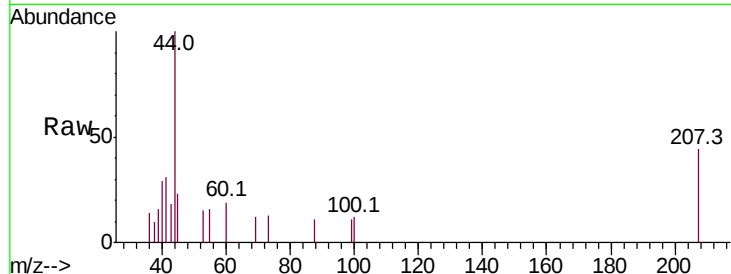




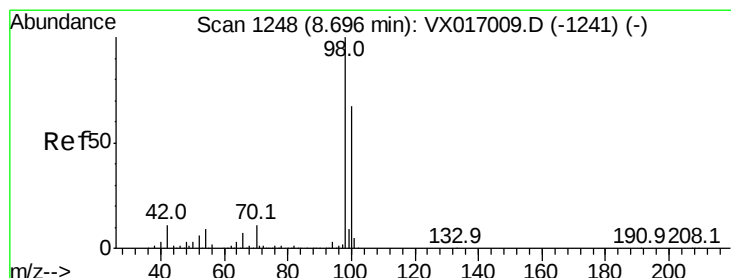
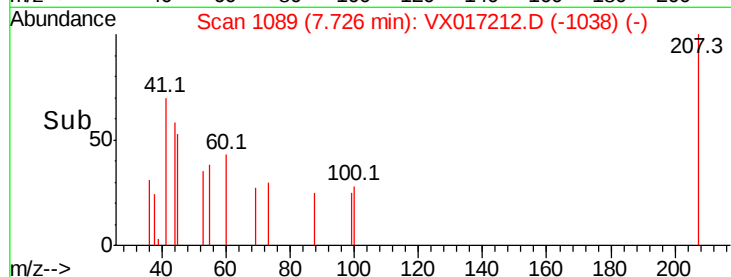
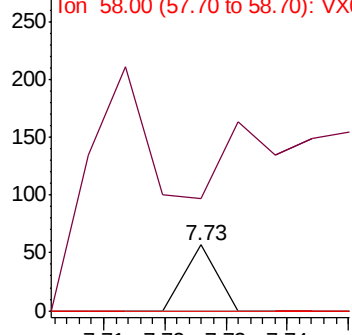
#49
1,4-Dioxane
Concen: 0.289 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017212.D
Acq: 07 Jul 2020 18:31

Instrument :
MSVOA_X
ClientSampleId :
FB-01-20200630

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 1142.9 25.8 38.8#
58 0.0 54.8 82.2#

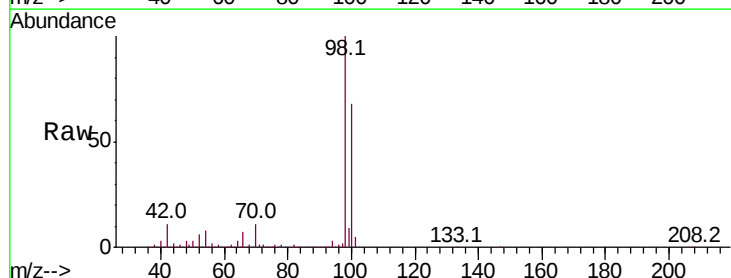


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

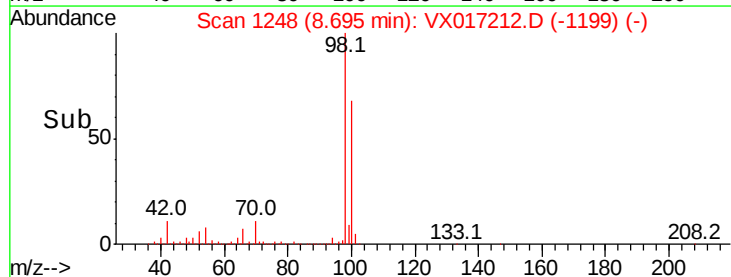
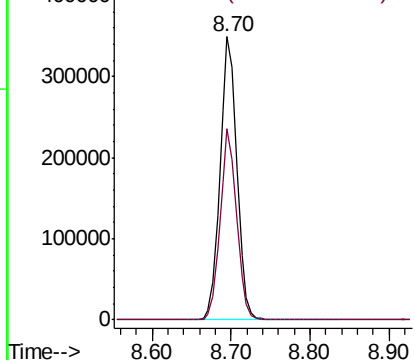


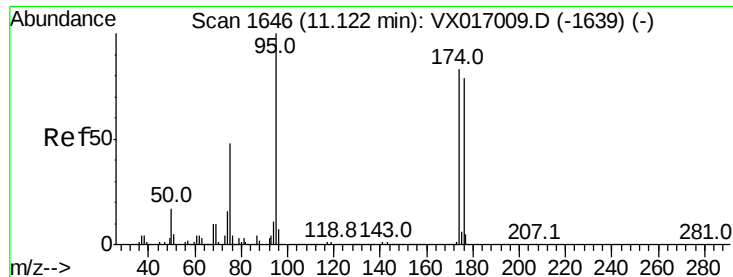
#50
Toluene-d8
Concen: 52.390 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017212.D
Acq: 07 Jul 2020 18:31

Tgt Ion: 98 Resp: 519317
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.592 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200630

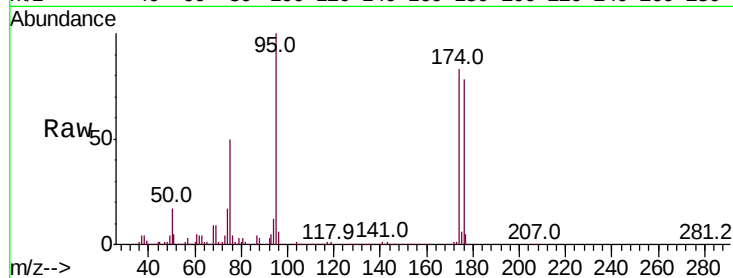
Tot Ion: 95 Resp: 211541

Ion Ratio Lower Upper

95 100

174 83.6 0.0 164.0

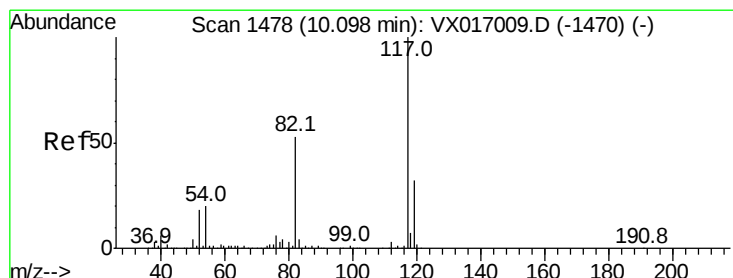
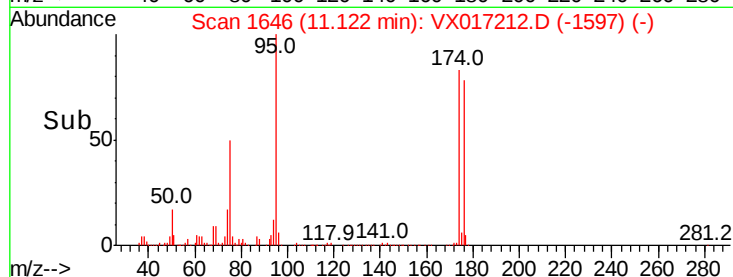
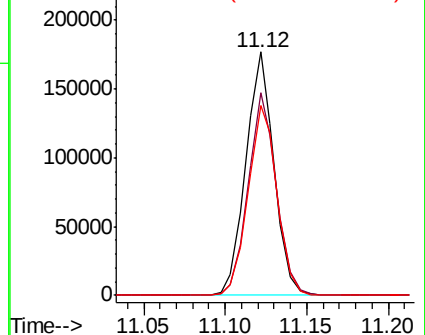
176 80.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

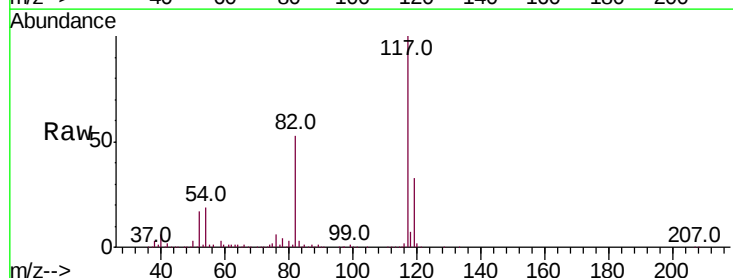
Tgt Ion: 117 Resp: 443763

Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

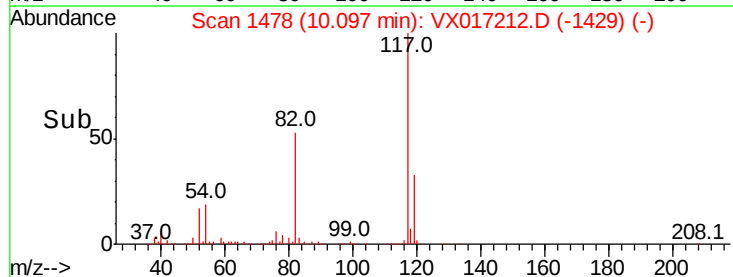
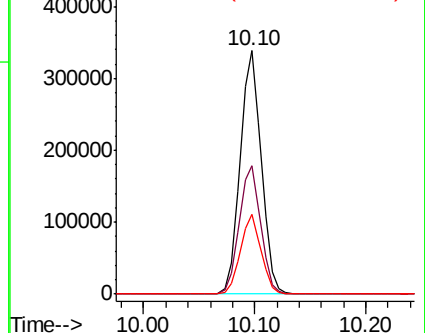
119 32.6 25.4 38.2

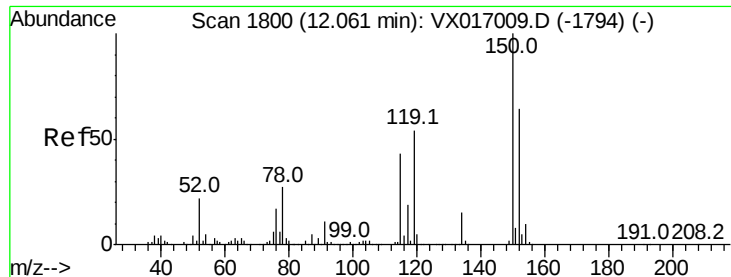


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200630

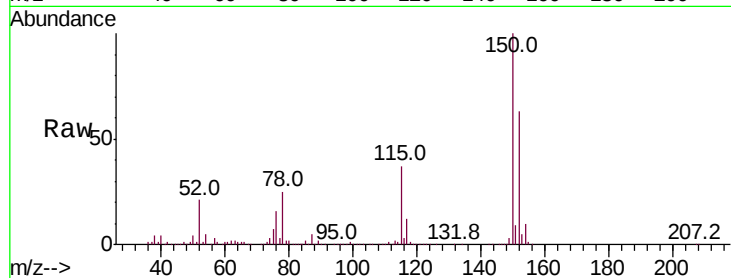
Tot Ion:152 Resp: 231165

Ion Ratio Lower Upper

152 100

115 56.9 40.9 122.7

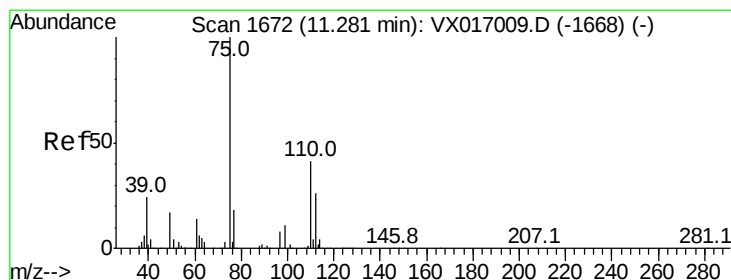
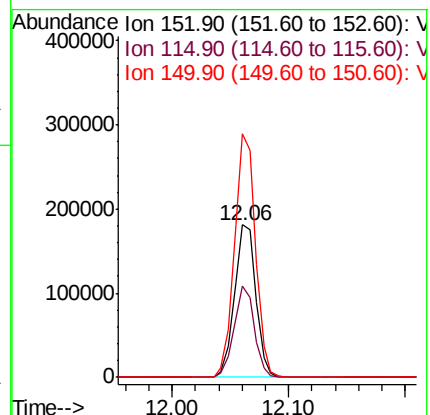
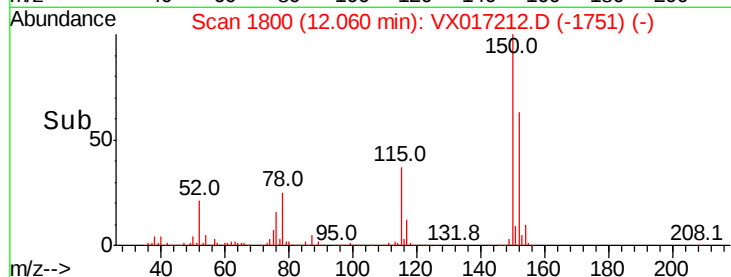
150 156.8 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.972 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017212.D

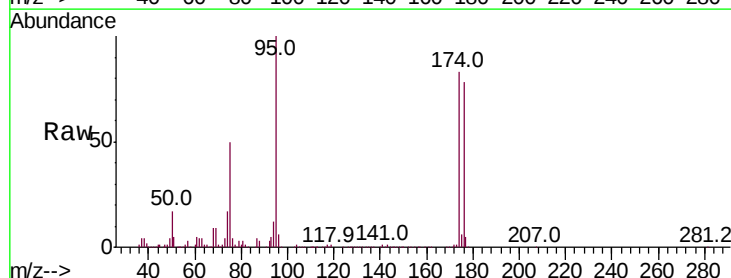
Acq: 07 Jul 2020 18:31

Tgt Ion: 75 Resp: 104423

Ion Ratio Lower Upper

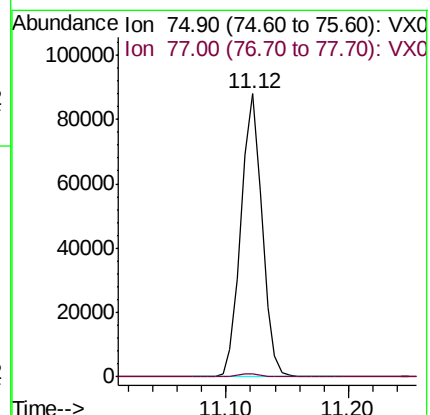
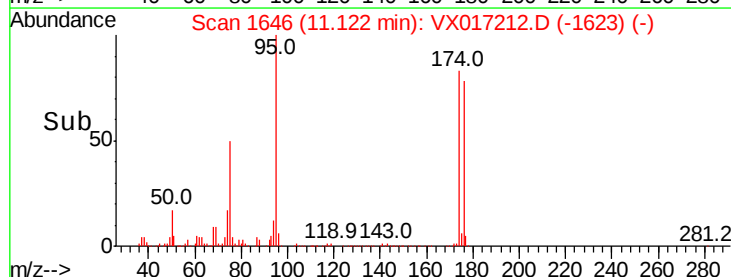
75 100

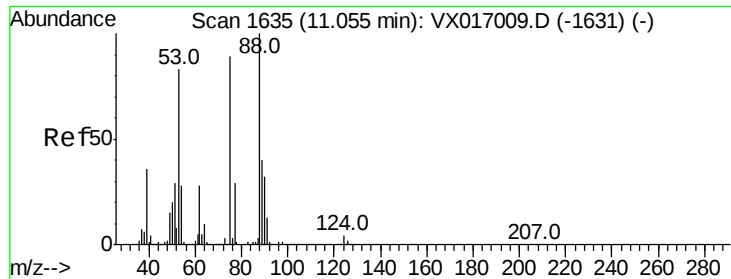
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.488 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017212.D

Acq: 07 Jul 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20200630

Tot Ion: 75 Resp: 104423

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.1 37.0 55.4#

